

DRILL HOLES

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PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of a battery backup system for the existing Traffic Control signals at the intersections of Broken Land Parkway and Park & Ride Lot and also Broken Land Parkway and MD 32 (Spur "B") in Howard County. Both intersections utilize the same existing meter pedestal. Additionally all traffic signal heads at these intersections shall be upgraded to LED traffic signal heads. Broken Land Parkway is assumed to run in a north - south direction.

II. INTERSECTION OPERATION

- The existing full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at MD 32 (Spur "B").
- A new NEMA size "6" base-mounted cabinet with battery back-up shall be installed at MD 32 (Spur "B").

III. SPECIAL NOTES

- All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.

The contact persons for District #7 are as follows:

Mr. John Concannon
Assistant District Engineer - Traffic
Phone: (310) 624-8141

Mr. Ray Johnson
Assistant District Engineer - Maintenance
Phone: (310) 624-8106

Ms. Andrea Abend
District Engineer - Utility
Phone: (301) 624-8110

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

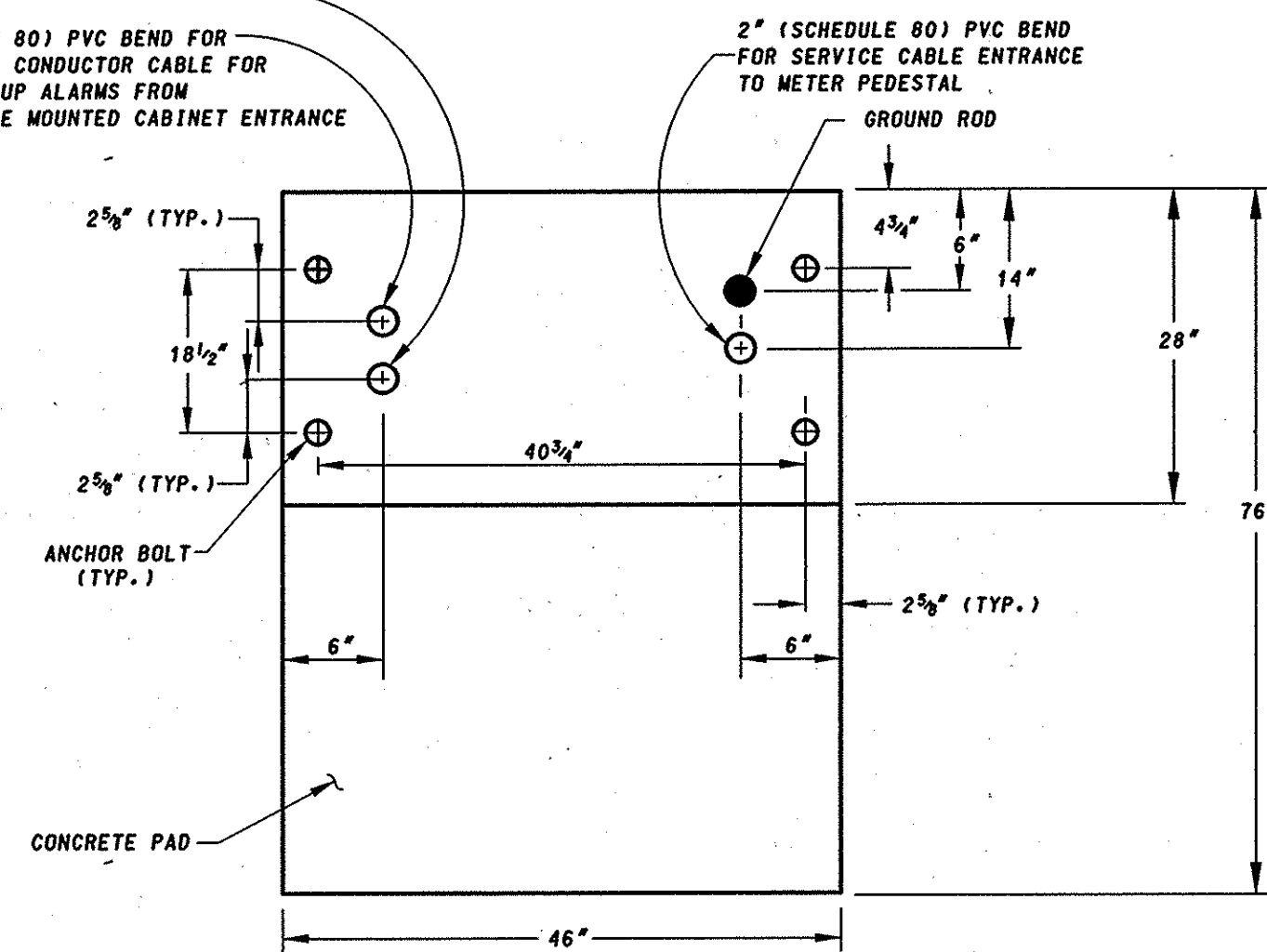
Mr. Ed Rodenhizer
Signal Shop
410-787-7652

The power company representative is:

Mr. Steve Schneider
Baltimore Gas and Electric
7317 Parkway Drive South
Hanover, MD 21076
410-859-9310

2" (SCHEDULE 80) PVC BEND
FOR POWER CABLE FROM EXISTING
BASE MOUNTED CABINET ENTRANCE

2" (SCHEDULE 80) PVC BEND FOR
1-(14 AWG) 7 CONDUCTOR CABLE FOR
BATTERY BACKUP ALARMS FROM
EXISTING BASE MOUNTED CABINET ENTRANCE



TYPICAL PLAN VIEW FOR
BATTERY BACKUP CABINET

NOTE:

- ALL CONDUIT BENDS ARE SUBJECT TO CHANGE AS PER CABINET LOCATION.
- REFER TO WIRING DIAGRAM ON THIS SHEET FOR SPECIFIC DETAILS.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A.

ITEM NO.	DESCRIPTION	QUANTITY
THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA.		

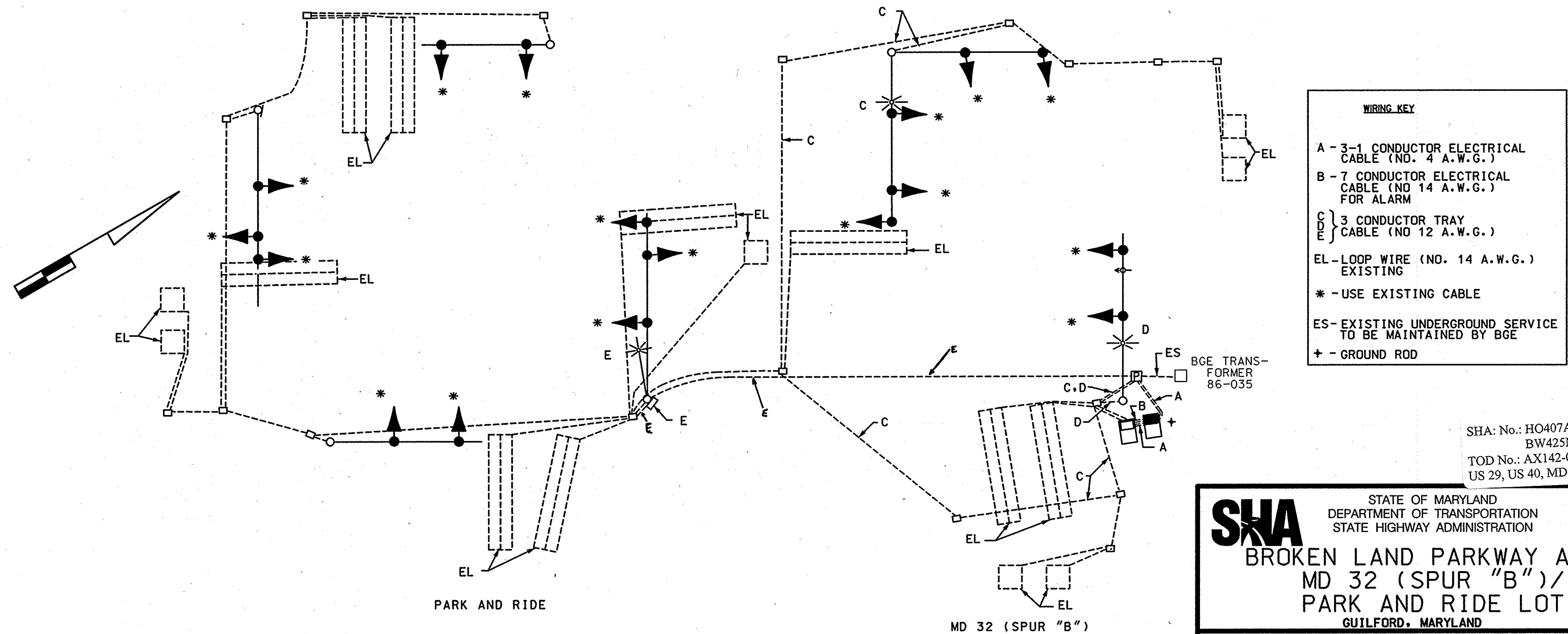
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment. 5271ag1 sheet	
2002	Test Pit Excavation	1 C.Y.
8001	12" LED signal head section.	60 EA
8004	8" LED signal head section.	3 EA
8022	Remove and dispose of existing material and equipment per assignment. 5271ag1 sheet	1 EA
8036	Schedule 80 rigid PVC conduit up tp 4" - trenched.	40 L.F.
8046	Electrical cable 1-conductor No. 4 AWG THHN/THWN.	75 L.F.
8058	Electrical cable - 7 conductor (No. 14 AWG).	30 L.F.
8059	Electrical cable - 2 conductor (No. 12 AWG) TC.	530 L.F.
Neg.	Cabinet size "6" and battery back-up system.	1 EA

PHASE CHART

THERE IS NO PHASE CHART FOR THIS PROJECT.

WIRING DIAGRAM

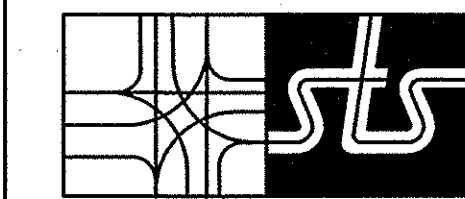


SHA: No.: HO407A52/C52
BW425M84
TOD No.: AX142-05
US 29, US 40, MD 32 MD175

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
**BROKEN LAND PARKWAY AND
MD 32 (SPUR "B")/
PARK AND RIDE LOT
GUILFORD, MARYLAND**

GENERAL INFORMATION SHEET

SCALE NONE	DATE 4/18/07	CONTRACT NO. AX1425185
DESIGNED BY JWA	COUNTY HOWARD	
DRAWN BY RC	LOGMILE 13CBR003.23	
CHECKED BY	TMS NO. I288	
F.A.P. NO.	TOD NO.	
TS NO. 2158E	DRAWING NO. 2 OF 2	SHEET NO. OF



STREET TRAFFIC STUDIES, LTD.
400 Cruth Hwy., NW
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

5271FG1.dgn T-79

PLOTTED: *DATE*
FILE: *FILE*